

# Benchmark Cost Model 2 Results

State: Ohio

Date: 7/1/96

Time: 2:29:44 PM

Aggregate Support	ARMIS
At \$20 = \$	614,540,950
At \$30 = \$	272,184,992
At \$40 = \$	128,393,283
At \$50 = \$	50,987,473
At \$60 = \$	10,646,261
At \$70 = \$	1,245,545
At \$80 = \$	247,457
Annual Benchmark Cost = \$	2,509,987,954
State Average Monthly Cost= \$	30.28

Density	Households	Lines
Less 5	-	15
5 to 200	1,072,424	1,677,094
200 to 650	568,805	1,038,720
650 to 850	205,179	350,929
850 to 2550	1,293,214	2,207,387
Greater 2550	949,610	1,634,268
Total	4,089,232	6,908,413

Cost Category	ARMIS Households
\$0<=\$ 5	-
\$5<=\$10	-
\$10<=\$15	15,540
\$15<=\$20	250,615
\$20<=\$25	982,969
\$25<=\$30	977,375
\$30<=\$35	735,479
\$35<=\$40	330,549
\$40<=\$45	152,039
\$45<=\$50	138,709
\$50<=\$55	169,726
\$55<=\$60	167,552
\$60<=\$65	99,525
\$65<=\$70	46,289
\$70<=\$75	16,986
\$75<=\$100	5,666
\$100<=\$150	137
\$150<=\$200	61
\$200<=\$250	15
\$250<=\$300	-
\$300<=\$500	-
\$500<=\$1000	-
\$1000+	-
Total Households	4,089,232

Loop Category	Households
0 <= 5Kft	461,219
5Kft <= 10Kft	1,172,980
10Kft <= 15Kft	957,399
15Kft <= 20Kft	591,288
20Kft <= 25Kft	353,983
25Kft <= 30Kft	227,051
30Kft <= 40Kft	235,950
40Kft <= 50Kft	68,195
50Kft <= 60Kft	17,528
60Kft <= 70Kft	2,499
70Kft <= 80Kft	424
80Kft <= 90Kft	714
90Kft <= 100Kft	-
100Kft <= 150Kft	-
150Kft <= 200Kft	-
200Kft+	-

Loop Information	Length
Minimum Loop Length	704
Maximum Loop Length	86,015
Average Loop Length	13,699

Maximum Monthly Cost	\$206.75
Average Monthly Cost	\$30.28
Lines Above \$10K Loop Inv	18

Benchmark Cost Model 2 Results

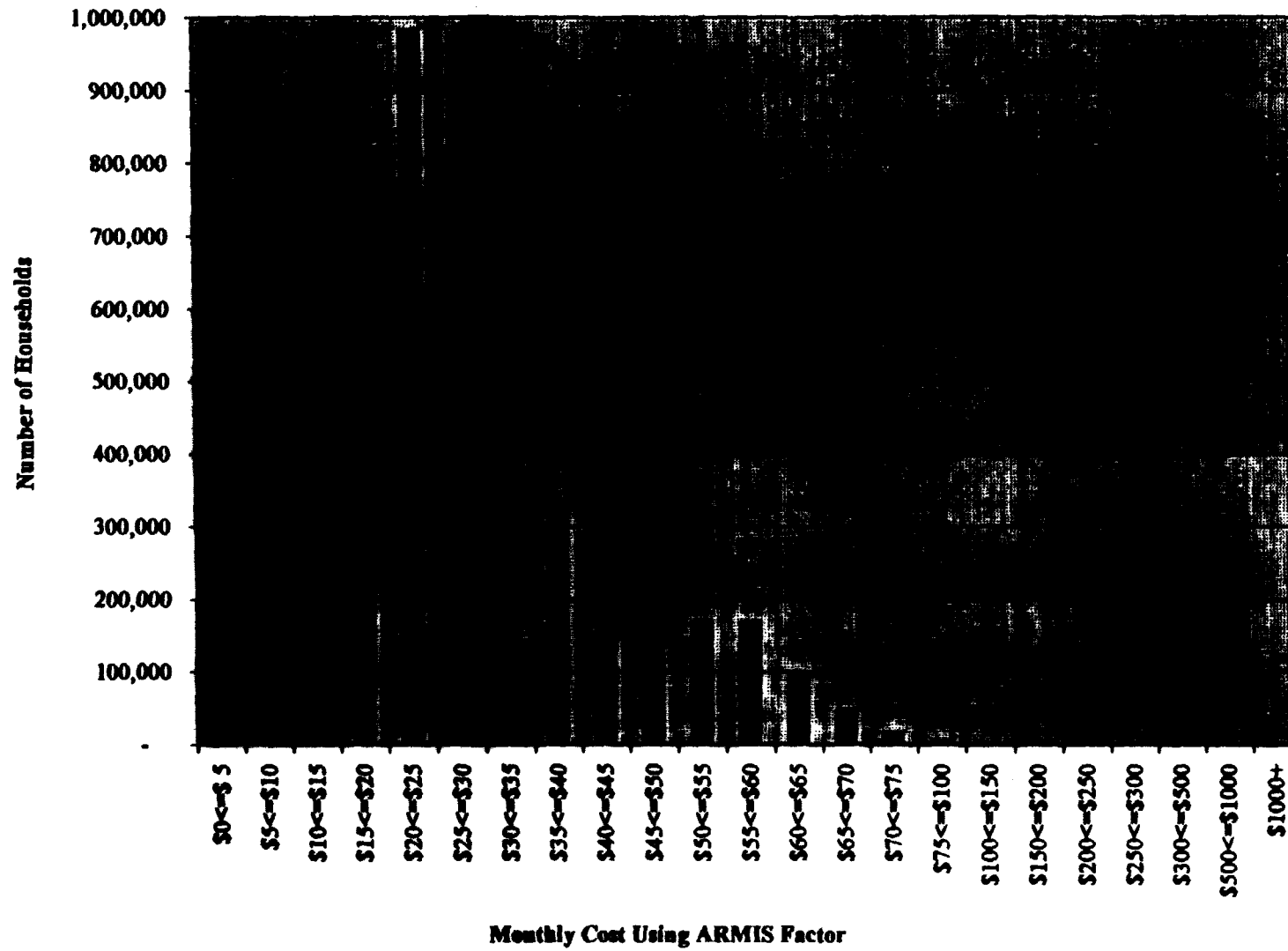
State: Ohio

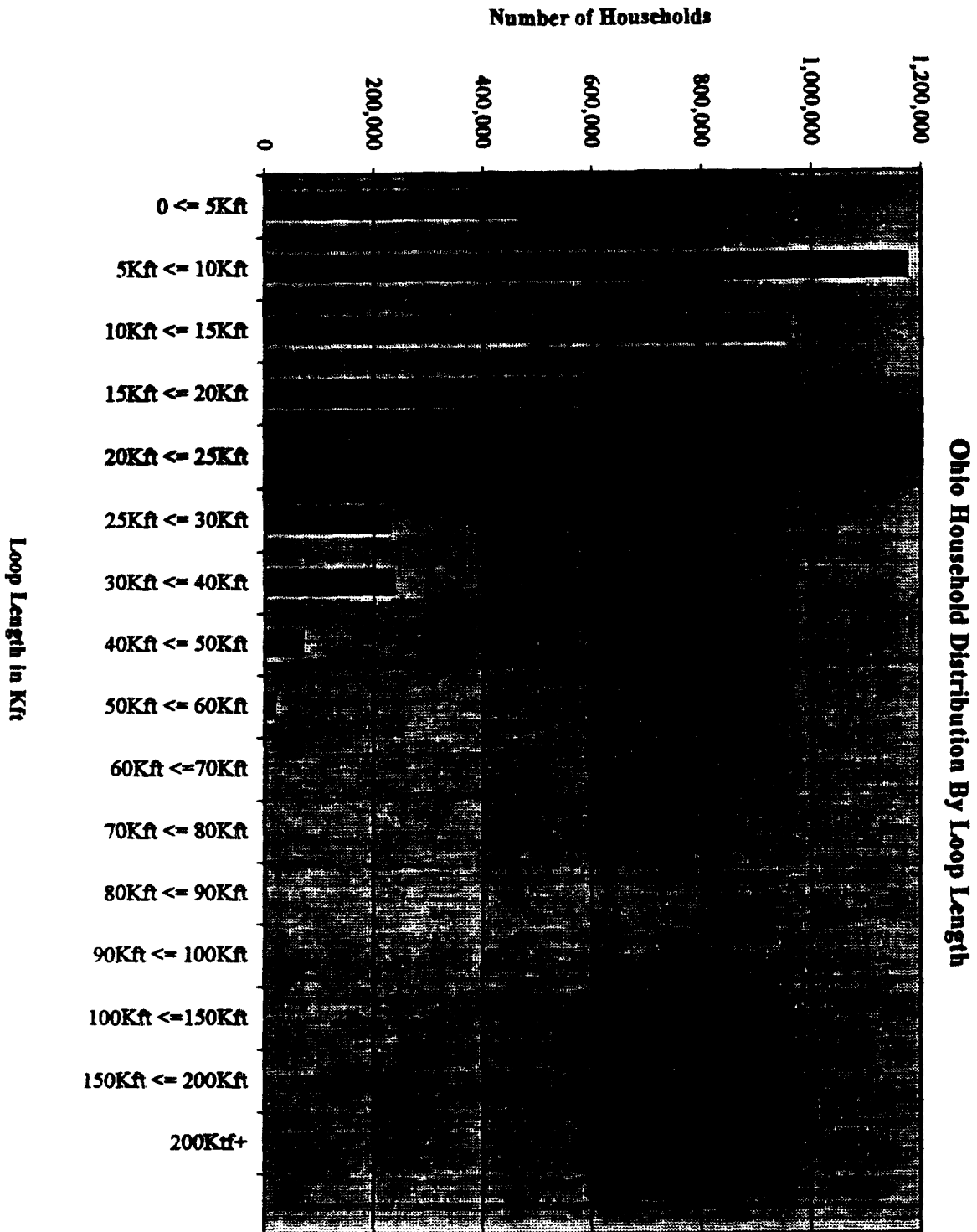
Date: 7/1/96

Time: 2:29:44 PM

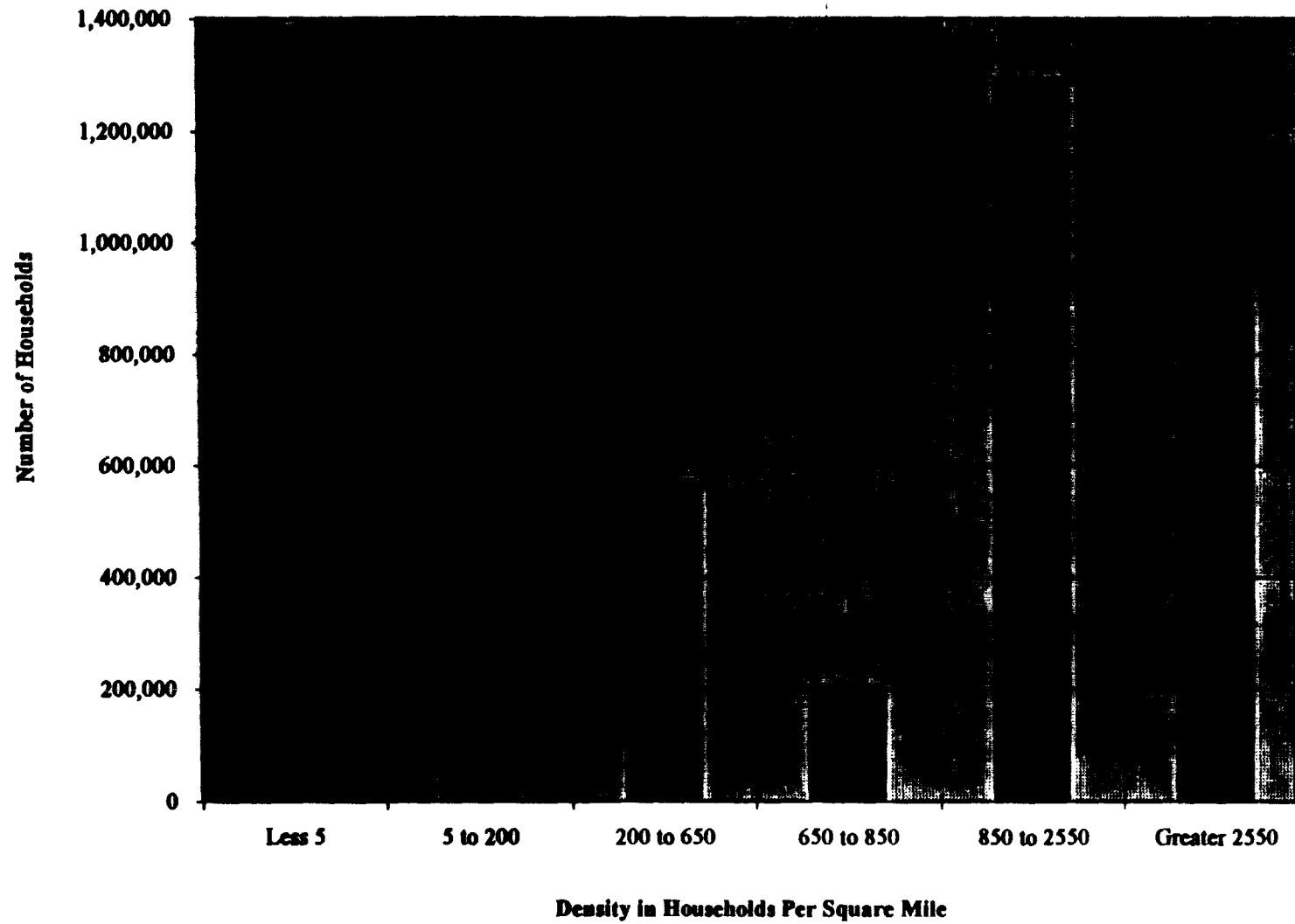
Density	Summary Results	Weighted
Less 5	Sum of # Households	0
	Sum of # Lines	15
	Average of Loop Length	8,609
	Average of Loop \$ per Line	\$4,315
	Average of Total Invstmnt \$/Ln	\$4,453
	Average of Monthly Costl	\$95.59
5 to 200	Sum of # Households	1,072,424
	Sum of # Lines	1,677,094
	Average of Loop Length	24,655
	Average of Loop \$ per Line	\$1,731
	Average of Total Invstmnt \$/Ln	\$1,897
	Average of Monthly Costl	\$45.83
200 to 650	Sum of # Households	568,805
	Sum of # Lines	1,038,720
	Average of Loop Length	14,250
	Average of Loop \$ per Line	\$840
	Average of Total Invstmnt \$/Ln	\$959
	Average of Monthly Costl	\$27.40
650 to 850	Sum of # Households	205,179
	Sum of # Lines	350,929
	Average of Loop Length	11,577
	Average of Loop \$ per Line	\$868
	Average of Total Invstmnt \$/Ln	\$983
	Average of Monthly Costl	\$27.82
850 to 2550	Sum of # Households	1,293,214
	Sum of # Lines	2,207,387
	Average of Loop Length	10,051
	Average of Loop \$ per Line	\$729
	Average of Total Invstmnt \$/Ln	\$841
	Average of Monthly Costl	\$25.01
Greater 2550	Sum of # Households	949,610
	Sum of # Lines	1,634,268
	Average of Loop Length	7,490
	Average of Loop \$ per Line	\$676
	Average of Total Invstmnt \$/Ln	\$782
	Average of Monthly Costl	\$23.79

# Ohio Household Distribution By Residential Service Monthly Cost

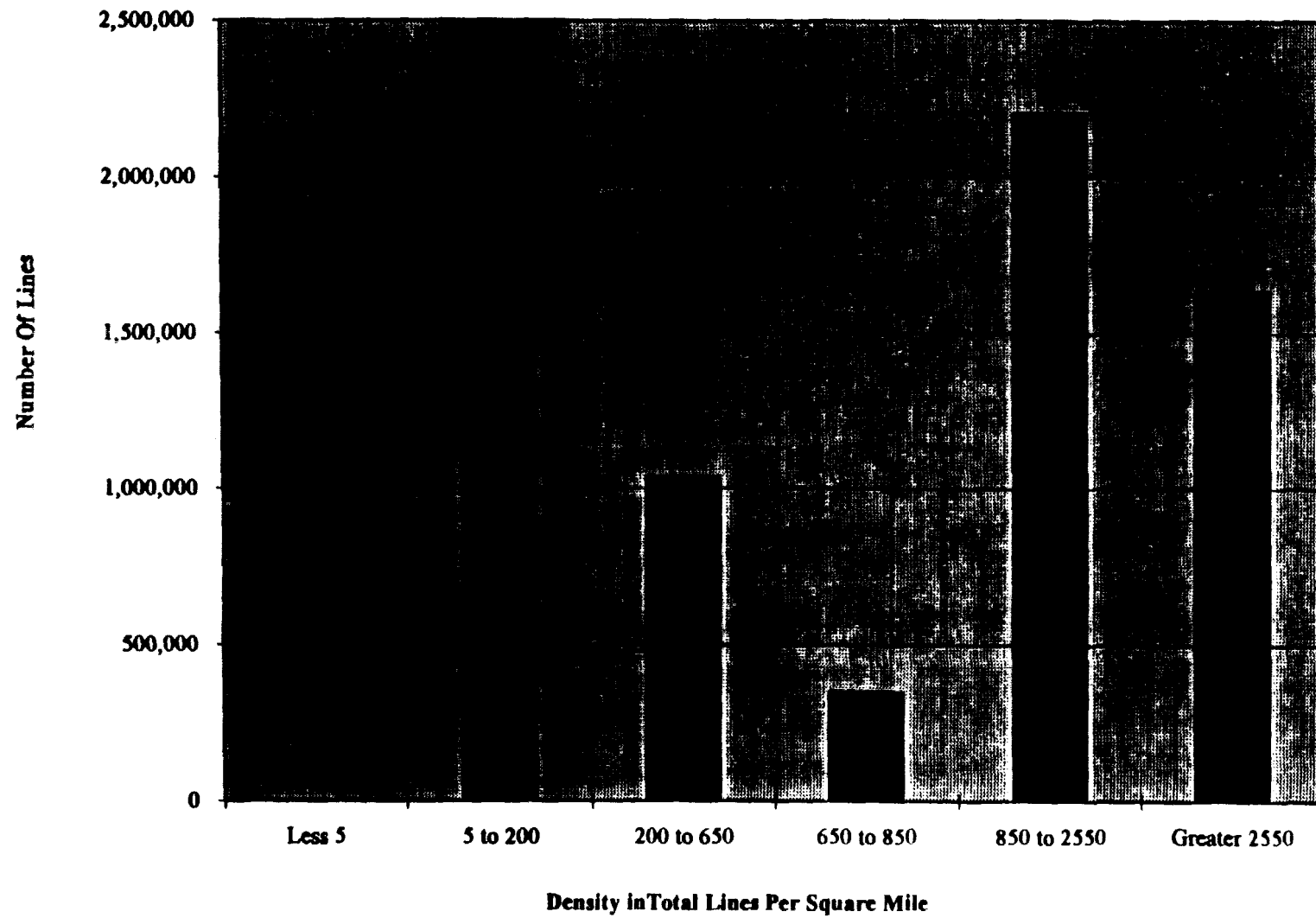




# Ohio Household Distribution By Density Group



# Ohio Total Lines Distribution By Density Group



Benchmark Cost Model 2 Results

State: Oklahoma

Date: 7/1/96

Time: 2:29:47 PM

Aggregate Support	ARMIS
At \$20 = \$	267,610,352
At \$30 = \$	159,071,865
At \$40 = \$	101,088,838
At \$50 = \$	60,568,774
At \$60 = \$	34,358,573
At \$70 = \$	20,305,324
At \$80 = \$	12,330,594
Annual Benchmark Cost = \$	834,460,604
State Average Monthly Cost= \$	35.06

Density	Households	Lines
Less 5	18,634	23,977
5 to 200	474,230	707,719
200 to 650	145,255	249,894
650 to 850	53,643	90,998
850 to 2550	423,300	720,901
Greater 2550	92,173	190,162
Total	1,207,235	1,983,651

Cost Category	ARMIS Households
\$0<=\$ 5	-
\$5<=\$10	-
\$10<=\$15	2,219
\$15<=\$20	67,673
\$20<=\$25	235,479
\$25<=\$30	237,189
\$30<=\$35	202,633
\$35<=\$40	77,556
\$40<=\$45	45,878
\$45<=\$50	54,135
\$50<=\$55	66,897
\$55<=\$60	60,576
\$60<=\$65	43,488
\$65<=\$70	24,967
\$70<=\$75	22,956
\$75<=\$100	48,210
\$100<=\$150	14,213
\$150<=\$200	2,694
\$200<=\$250	472
\$250<=\$300	-
\$300<=\$500	-
\$500<=\$1000	-
\$1000+	-
Total Households	1,207,235

Loop Category	Households
0 <= 5Kft	92,390
5Kft <= 10Kft	240,397
10Kft <= 15Kft	254,228
15Kft <= 20Kft	194,814
20Kft <= 25Kft	116,893
25Kft <= 30Kft	75,761
30Kft <= 40Kft	93,414
40Kft <= 50Kft	63,374
50Kft <= 60Kft	35,634
60Kft <= 70Kft	27,138
70Kft <= 80Kft	8,225
80Kft <= 90Kft	2,936
90Kft <= 100Kft	1,253
100Kft <= 150Kft	778
150Kft <= 200Kft	-
200Kft+	-

Loop Information	Length
Minimum Loop Length	1,008
Maximum Loop Length	121,325
Average Loop Length	18,689

Maximum Monthly Cost	\$244.98
Average Monthly Cost	\$35.06
Lines Above \$10K Loop Inv	258

Benchmark Cost Model 2 Results

State: Oklahoma

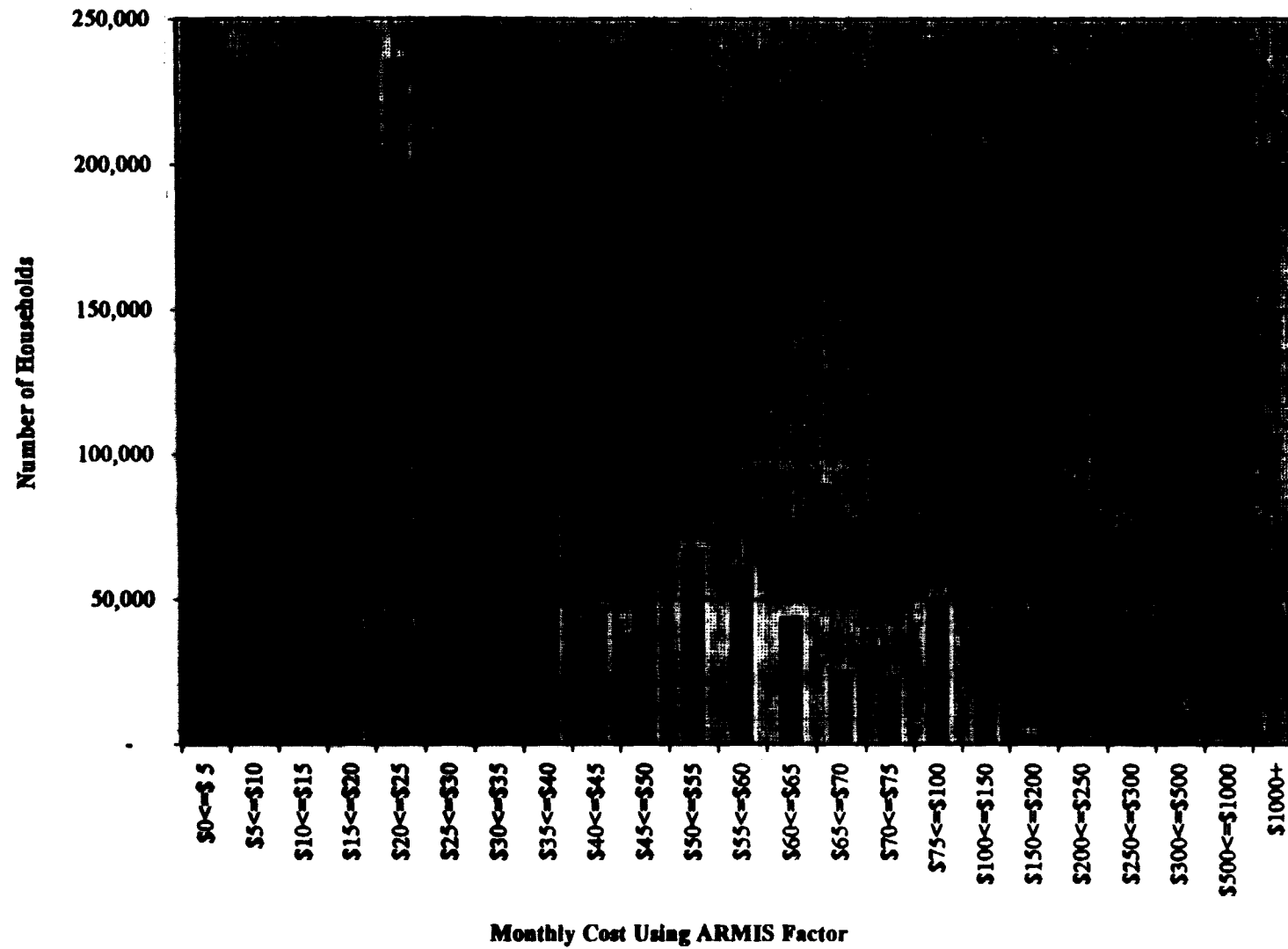
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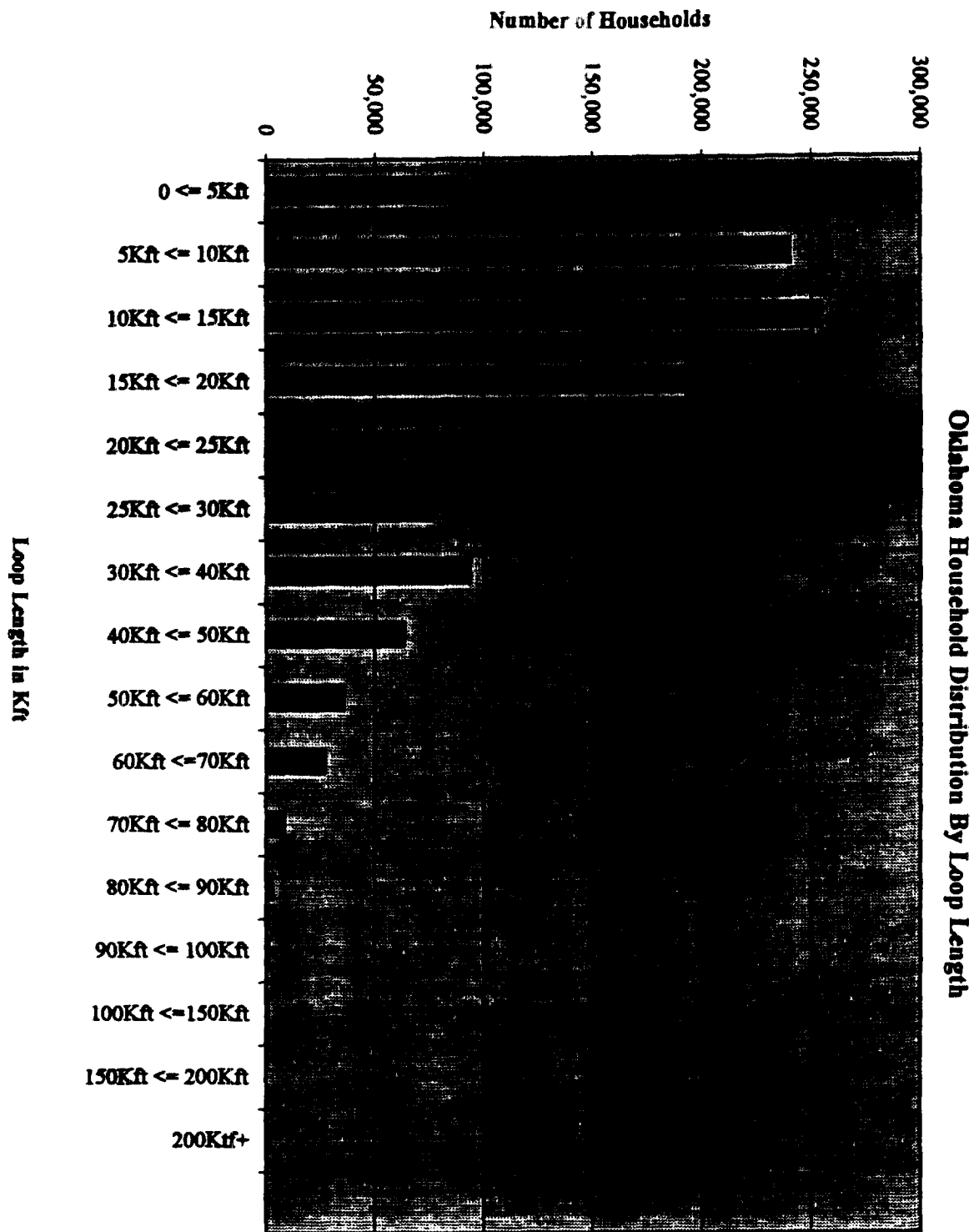
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Density	Summary Results	Weighted
Less 5	Sum of # Households	18,634
	Sum of # Lines	23,977
	Average of Loop Length	53,513
	Average of Loop \$ per Line	\$4,801
	Average of Total Invstmnt \$/Ln	\$5,399
	Average of Monthly Cost1	\$115.10
5 to 200	Sum of # Households	474,230
	Sum of # Lines	707,719
	Average of Loop Length	28,523
	Average of Loop \$ per Line	\$1,895
	Average of Total Invstmnt \$/Ln	\$2,109
	Average of Monthly Cost1	\$50.07
200 to 650	Sum of # Households	145,255
	Sum of # Lines	249,894
	Average of Loop Length	15,021
	Average of Loop \$ per Line	\$832
	Average of Total Invstmnt \$/Ln	\$956
	Average of Monthly Cost1	\$27.36
650 to 850	Sum of # Households	53,643
	Sum of # Lines	90,998
	Average of Loop Length	13,738
	Average of Loop \$ per Line	\$804
	Average of Total Invstmnt \$/Ln	\$919
	Average of Monthly Cost1	\$26.56
850 to 2550	Sum of # Households	423,300
	Sum of # Lines	720,901
	Average of Loop Length	11,610
	Average of Loop \$ per Line	\$699
	Average of Total Invstmnt \$/Ln	\$808
	Average of Monthly Cost1	\$24.39
Greater 2550	Sum of # Households	92,173
	Sum of # Lines	190,162
	Average of Loop Length	11,729
	Average of Loop \$ per Line	\$670
	Average of Total Invstmnt \$/Ln	\$774
	Average of Monthly Cost1	\$23.70

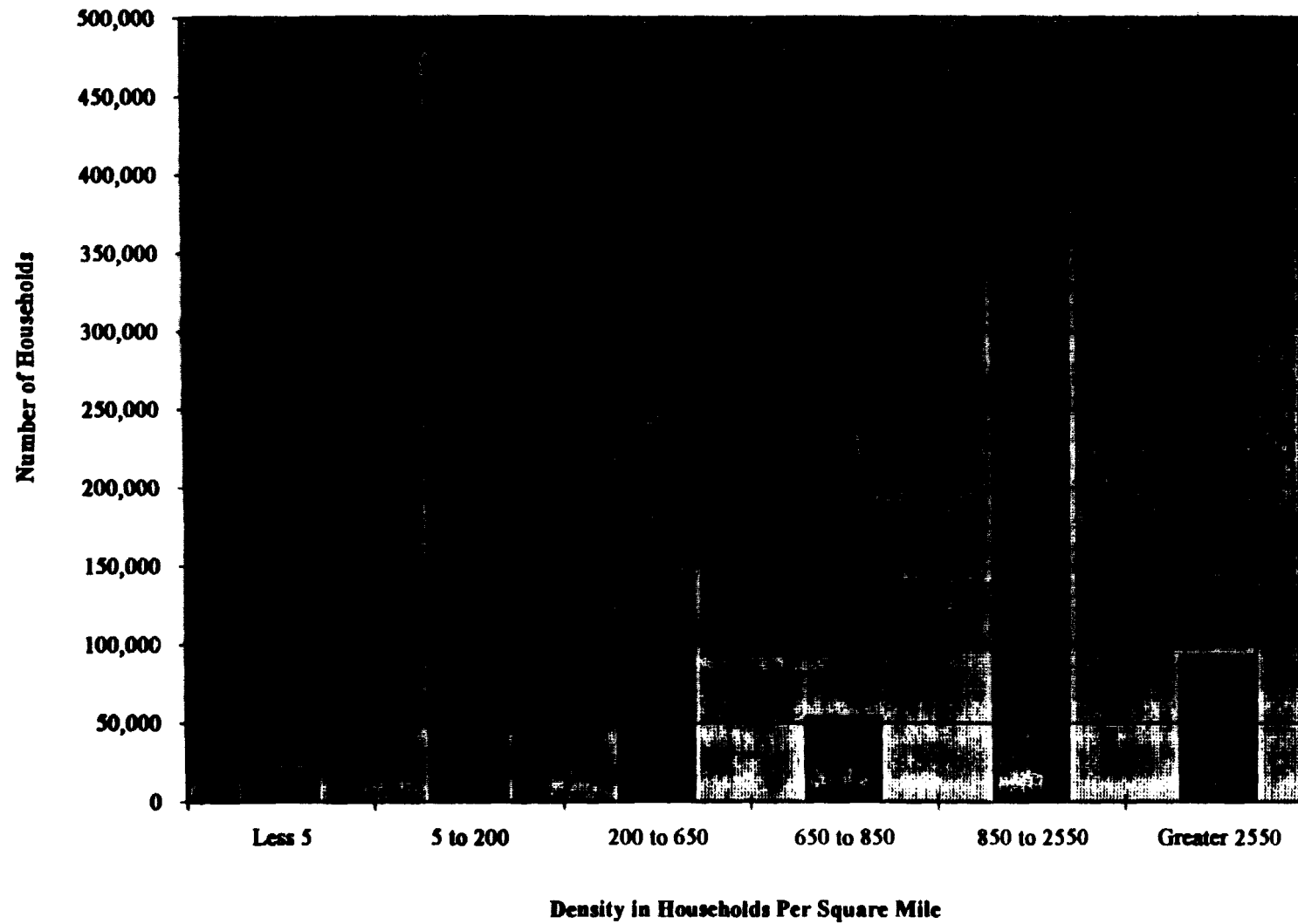


# Oklahoma Household Distribution By Residential Service Monthly Cost

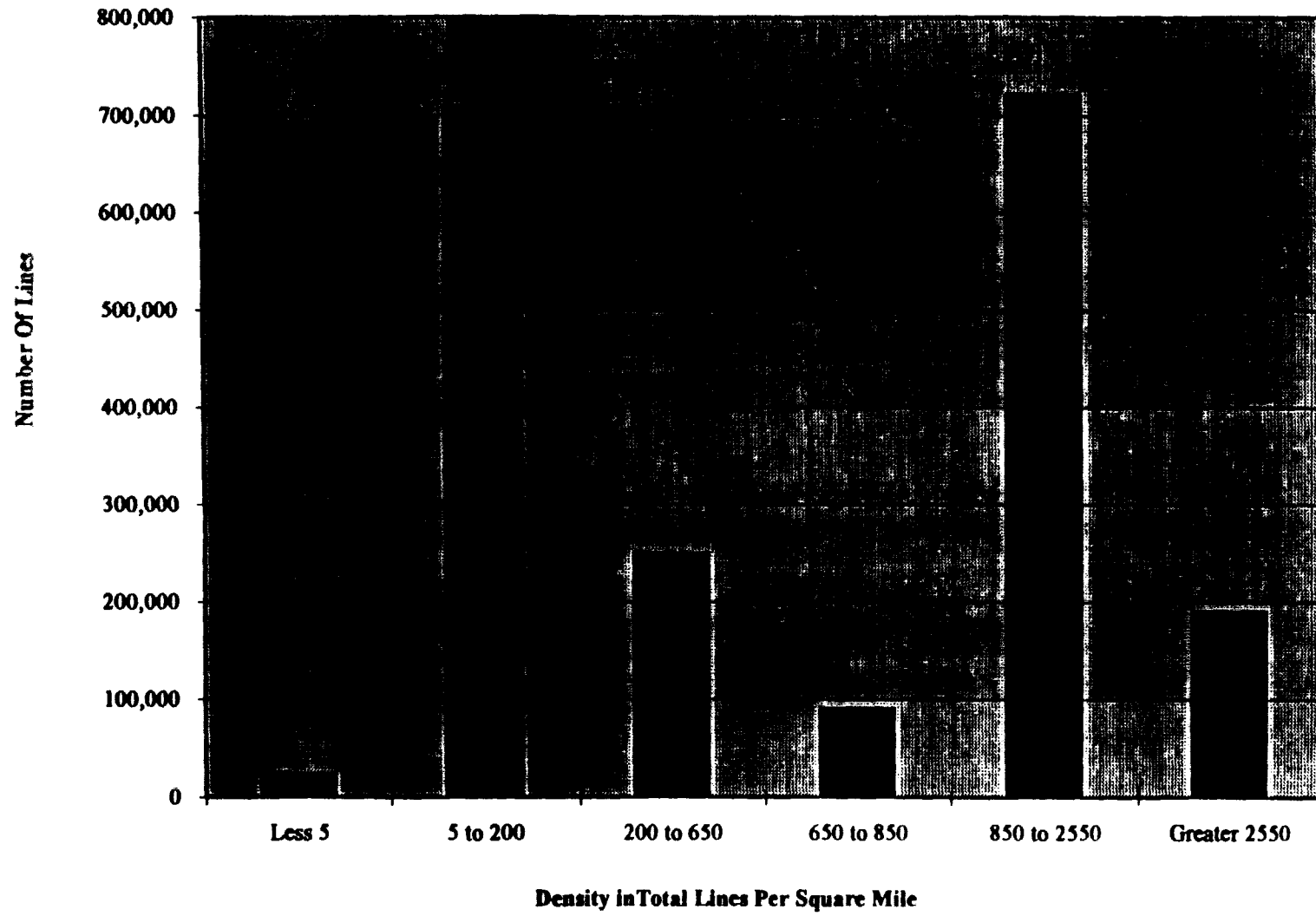




# Oklahoma Household Distribution By Density Group



# Oklahoma Total Lines Distribution By Density Group



Benchmark Cost Model: 2 Results

State: Oregon

Date: 7/1/96

Time: 2:29:50 PM

Aggregate Support	ARMIS
At \$20 = \$	216,925,868
At \$30 = \$	119,637,073
At \$40 = \$	77,502,630
At \$50 = \$	51,729,130
At \$60 = \$	35,591,453
At \$70 = \$	25,942,788
At \$80 = \$	19,244,733
Annual Benchmark Cost = \$	757,873,396
State Average Monthly Cost= \$	33.37

Density	Households	Lines
Less 5	25,215	35,035
5 to 200	295,364	469,560
200 to 650	137,608	244,691
650 to 850	57,018	103,544
850 to 2550	392,976	664,676
Greater 2550	197,181	375,169
Total	1,105,362	1,892,675

Cost Category	ARMIS Households
\$0<=\$ 5	-
\$5<=\$10	-
\$10<=\$15	3,949
\$15<=\$20	76,979
\$20<=\$25	198,468
\$25<=\$30	276,644
\$30<=\$35	221,502
\$35<=\$40	72,440
\$40<=\$45	41,152
\$45<=\$50	37,322
\$50<=\$55	44,691
\$55<=\$60	32,536
\$60<=\$65	21,600
\$65<=\$70	11,070
\$70<=\$75	11,367
\$75<=\$100	30,613
\$100<=\$150	19,169
\$150<=\$200	3,291
\$200<=\$250	2,520
\$250<=\$300	49
\$300<=\$500	-
\$500<=\$1000	-
\$1000+	-
Total Households	1,105,362

Loop Category	Households
0 <= 5Kft	93,504
5Kft <= 10Kft	264,887
10Kft <= 15Kft	261,827
15Kft <= 20Kft	167,159
20Kft <= 25Kft	86,589
25Kft <= 30Kft	57,511
30Kft <= 40Kft	67,013
40Kft <= 50Kft	38,067
50Kft <= 60Kft	21,616
60Kft <= 70Kft	15,702
70Kft <= 80Kft	9,740
80Kft <= 90Kft	7,826
90Kft <= 100Kft	3,647
100Kft <= 150Kft	7,345
150Kft <= 200Kft	1,802
200Kft+	1,127

Loop Information	Length
Minimum Loop Length	1,030
Maximum Loop Length	405,434
Average Loop Length	17,841

Maximum Monthly Cost	\$265.01
Average Monthly Cost	\$33.37
Lines Above \$10K Loop Inv	2,758

Benchmark Cost Model 7 Results

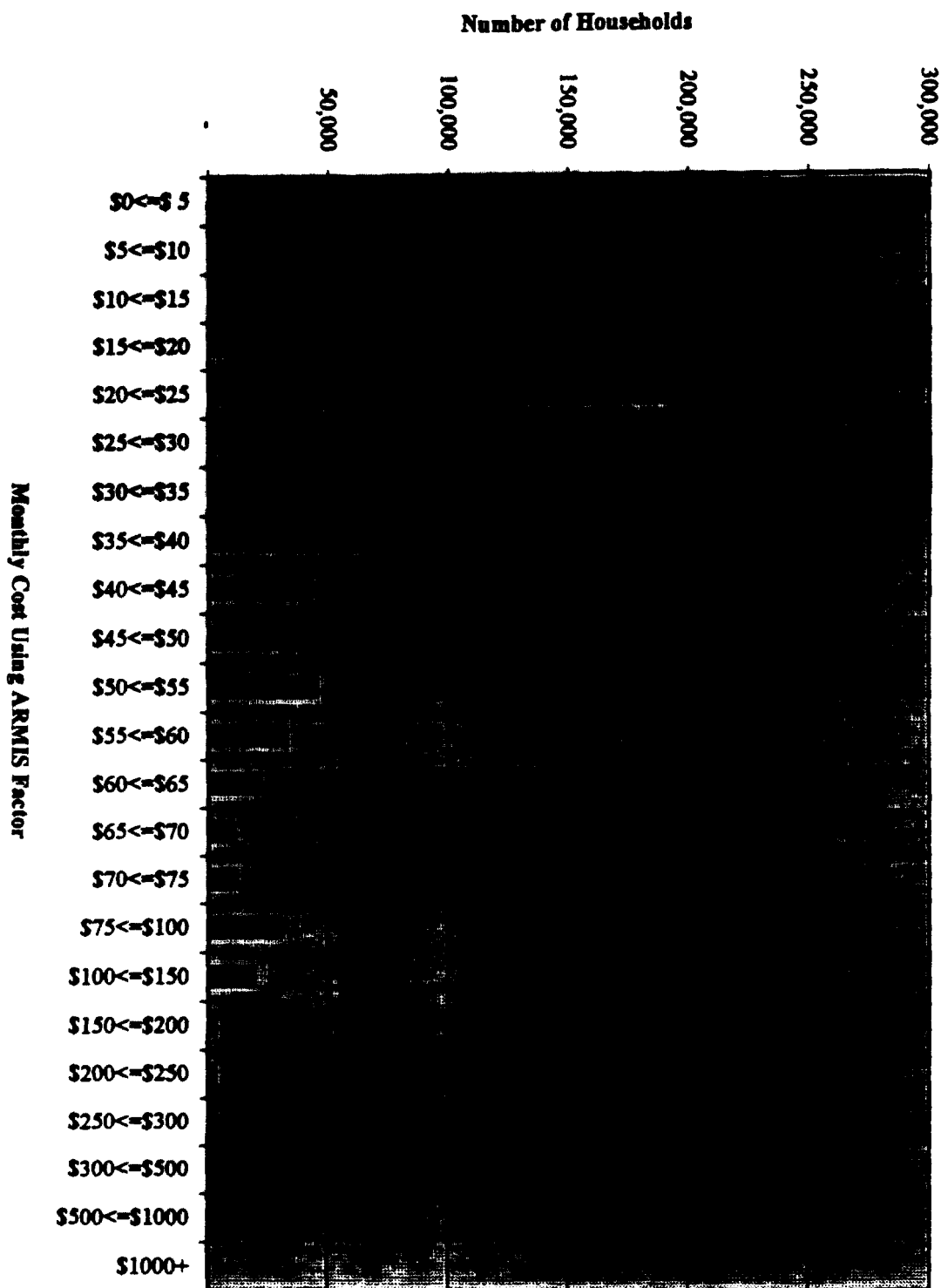
State: Oregon

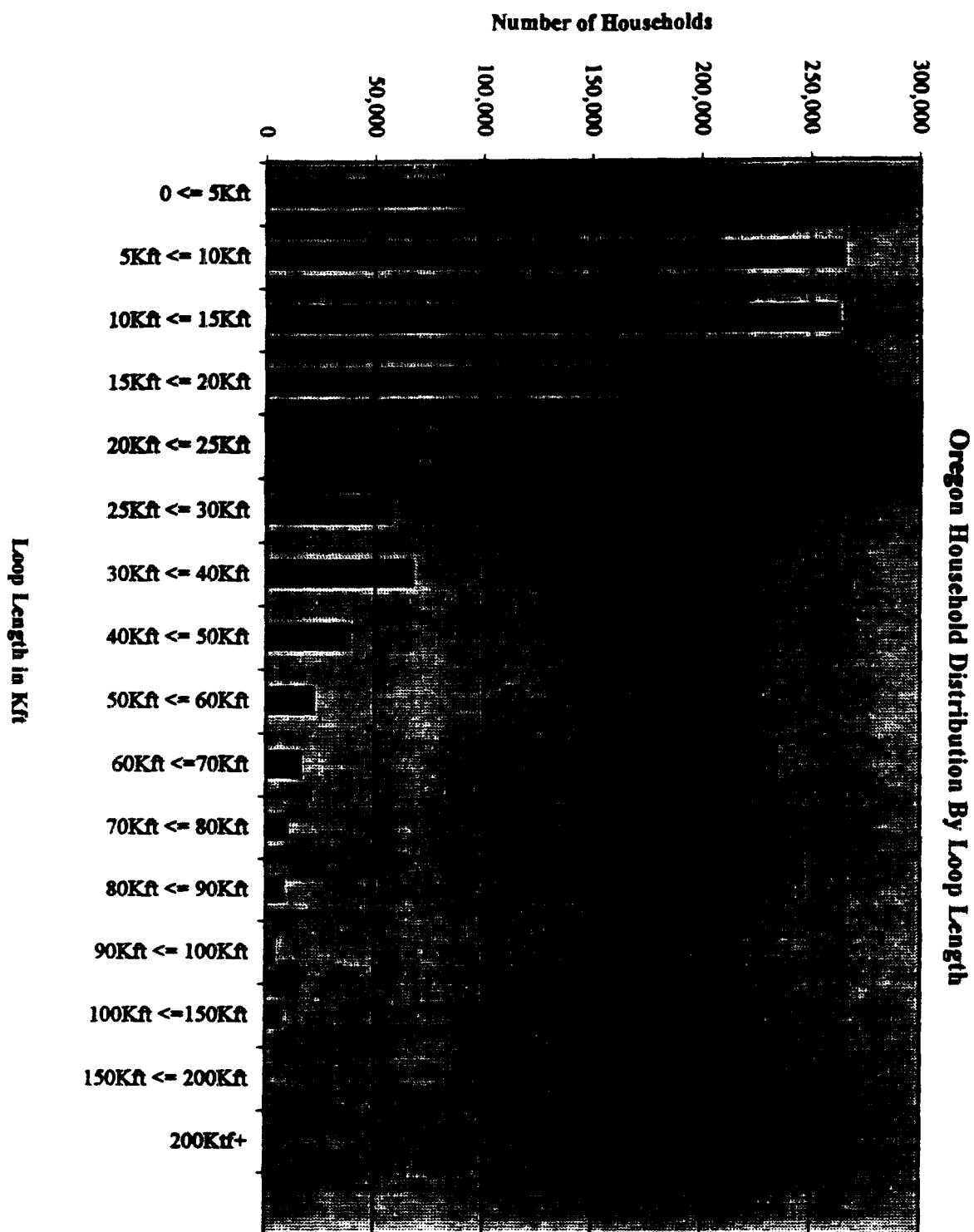
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Density	Summary Results	Weighted
Less 5	Sum of # Households	25,215
	Sum of # Lines	35,035
	Average of Loop Length	96,377
	Average of Loop \$ per Line	\$5,434
	Average of Total Invstmnt \$/Ln	\$5,870
	Average of Monthly Cost1	\$123.97
5 to 200	Sum of # Households	295,364
	Sum of # Lines	469,560
	Average of Loop Length	32,244
	Average of Loop \$ per Line	\$1,938
	Average of Total Invstmnt \$/Ln	\$2,111
	Average of Monthly Cost1	\$50.03
200 to 650	Sum of # Households	137,608
	Sum of # Lines	244,691
	Average of Loop Length	13,488
	Average of Loop \$ per Line	\$859
	Average of Total Invstmnt \$/Ln	\$987
	Average of Monthly Cost1	\$27.97
650 to 850	Sum of # Households	57,018
	Sum of # Lines	103,544
	Average of Loop Length	11,549
	Average of Loop \$ per Line	\$841
	Average of Total Invstmnt \$/Ln	\$957
	Average of Monthly Cost1	\$27.32
850 to 2550	Sum of # Households	392,976
	Sum of # Lines	664,676
	Average of Loop Length	11,469
	Average of Loop \$ per Line	\$756
	Average of Total Invstmnt \$/Ln	\$865
	Average of Monthly Cost1	\$25.49
Greater 2550	Sum of # Households	197,181
	Sum of # Lines	375,169
	Average of Loop Length	8,344
	Average of Loop \$ per Line	\$648
	Average of Total Invstmnt \$/Ln	\$751
	Average of Monthly Cost1	\$23.20

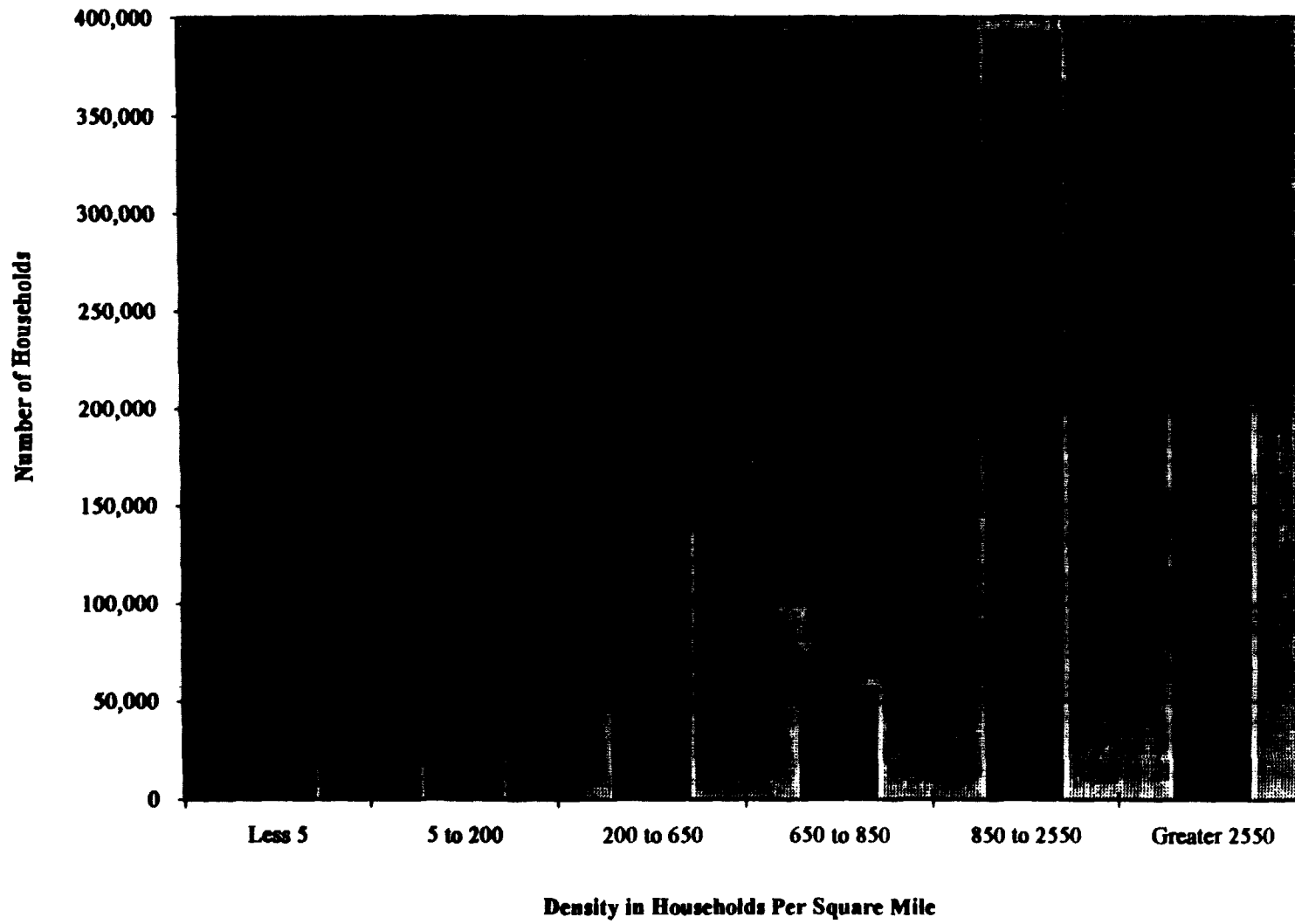
Oregon Household Distribution By Residential Service Monthly Cost



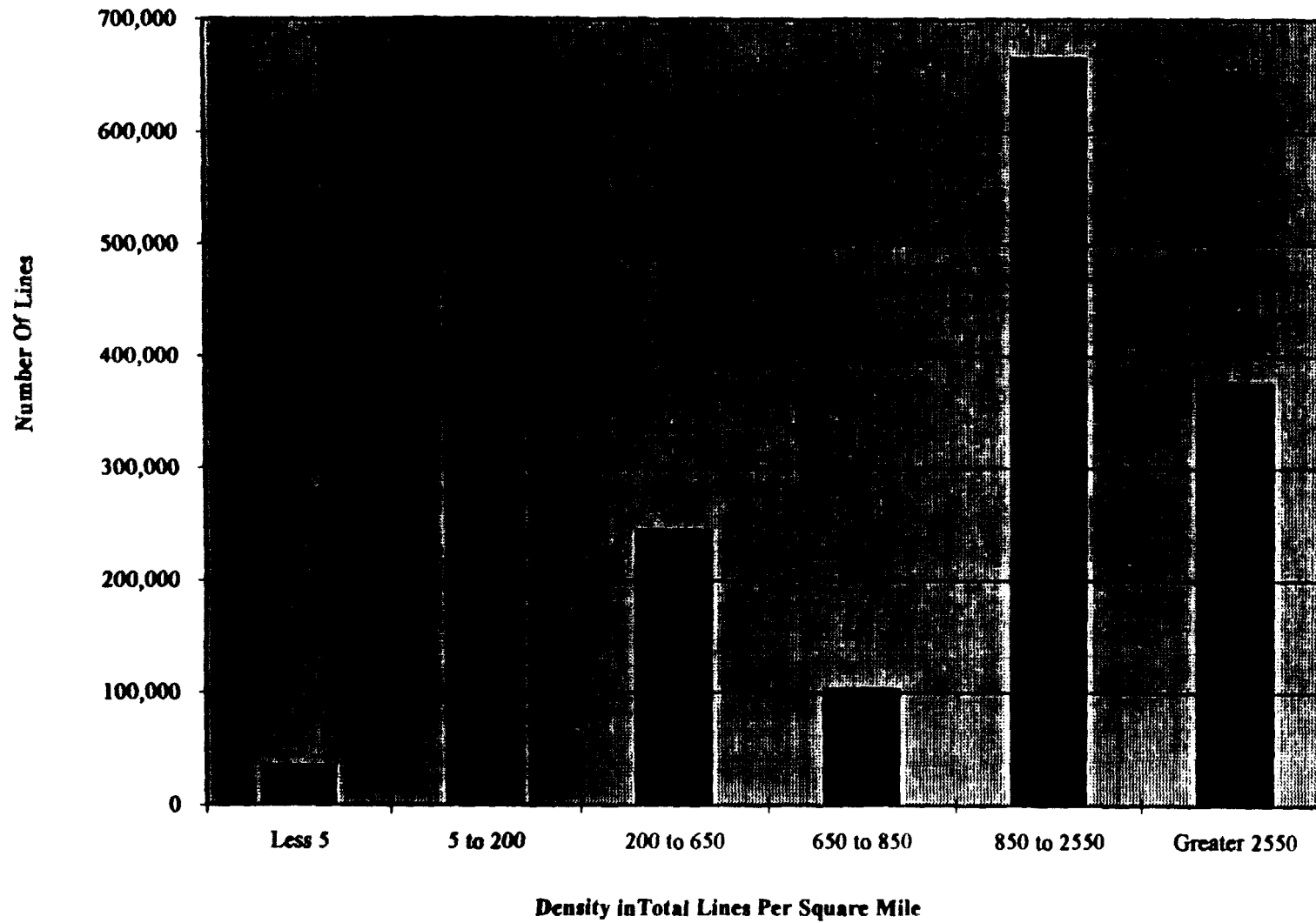




# Oregon Household Distribution By Density Group



# Oregon Total Lines Distribution By Density Group



State: Pennsylvania

Date: 7/1/96

Time: 2:29:53 PM

Aggregate Support	ARMIS
At \$20 = \$	612,783,820
At \$30 = \$	301,994,914
At \$40 = \$	163,593,167
At \$50 = \$	85,405,468
At \$60 = \$	42,039,466
At \$70 = \$	20,605,569
At \$80 = \$	8,091,807
Annual Benchmark Cost = \$	2,739,239,609
State Average Monthly Cost= \$	28.40

Density	Households	Lines
Less 5	1,093	1,594
5 to 200	1,194,484	1,841,092
200 to 650	546,831	1,048,657
650 to 850	200,615	397,047
850 to 2550	1,081,716	2,036,221
Greater 2550	1,468,219	2,714,069
Total	4,492,958	8,038,681

Cost Category	ARMIS Households
\$0<=\$ 5	-
\$5<=\$10	-
\$10<=\$15	37,703
\$15<=\$20	684,049
\$20<=\$25	1,256,476
\$25<=\$30	856,034
\$30<=\$35	553,216
\$35<=\$40	276,838
\$40<=\$45	193,761
\$45<=\$50	130,723
\$50<=\$55	150,114
\$55<=\$60	120,417
\$60<=\$65	59,590
\$65<=\$70	33,293
\$70<=\$75	36,544
\$75<=\$100	96,819
\$100<=\$150	6,455
\$150<=\$200	742
\$200<=\$250	184
\$250<=\$300	-
\$300<=\$500	-
\$500<=\$1000	-
\$1000+	-
Total Households	4,492,958

Loop Category	Households
0 <= 5Kft	857,866
5Kft <= 10Kft	1,324,421
10Kft <= 15Kft	727,683
15Kft <= 20Kft	543,200
20Kft <= 25Kft	405,014
25Kft <= 30Kft	267,935
30Kft <= 40Kft	258,319
40Kft <= 50Kft	89,480
50Kft <= 60Kft	12,586
60Kft <= 70Kft	5,898
70Kft <= 80Kft	438
80Kft <= 90Kft	118
90Kft <= 100Kft	-
100Kft <= 150Kft	-
150Kft <= 200Kft	-
200Kft+	-

Loop Information	Length
Minimum Loop Length	649
Maximum Loop Length	88,479
Average Loop Length	12,745

Maximum Monthly Cost	\$212.73
Average Monthly Cost	\$28.40
Lines Above \$10K Loop Inv	241

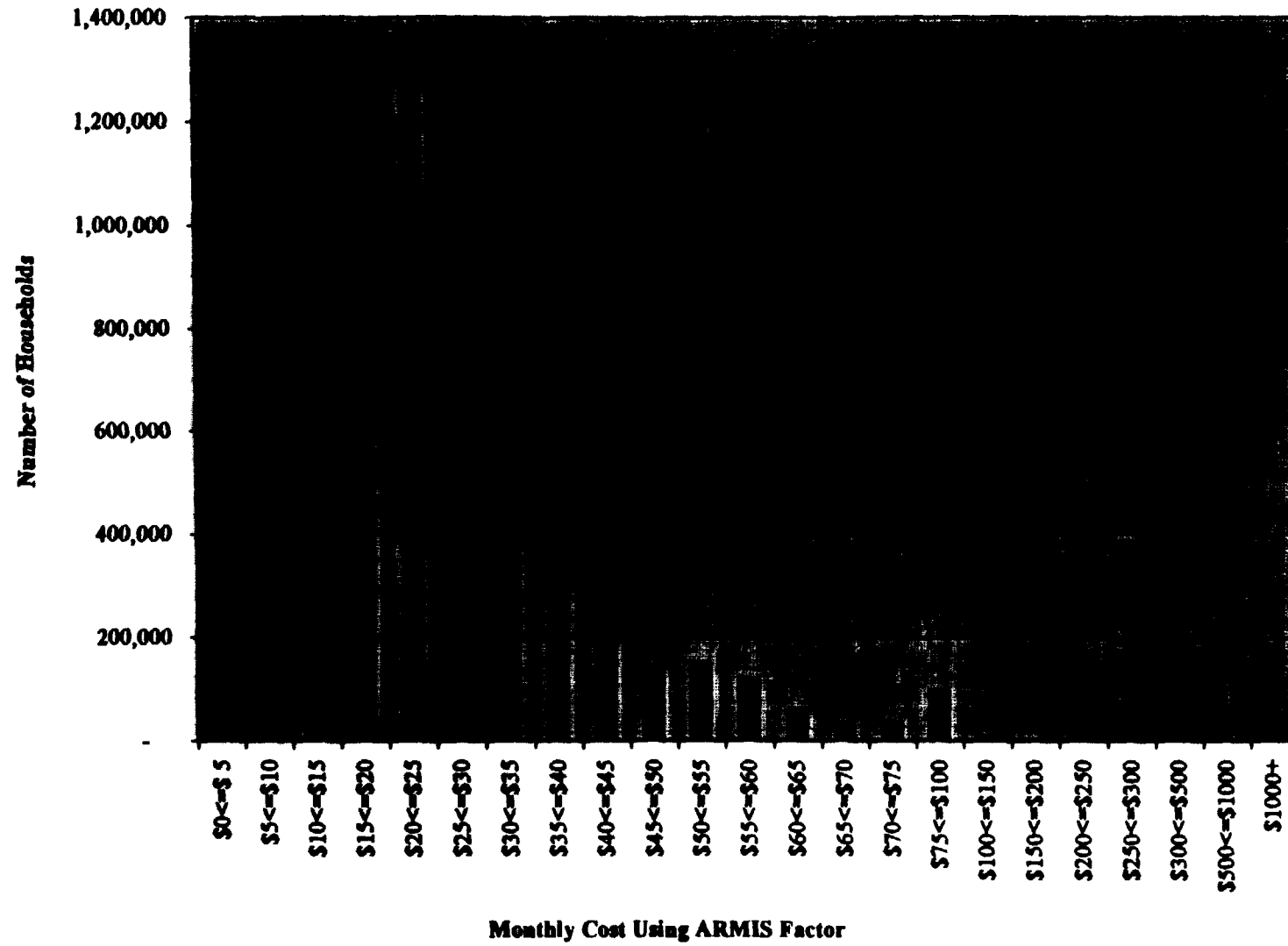
State: Pennsylvania

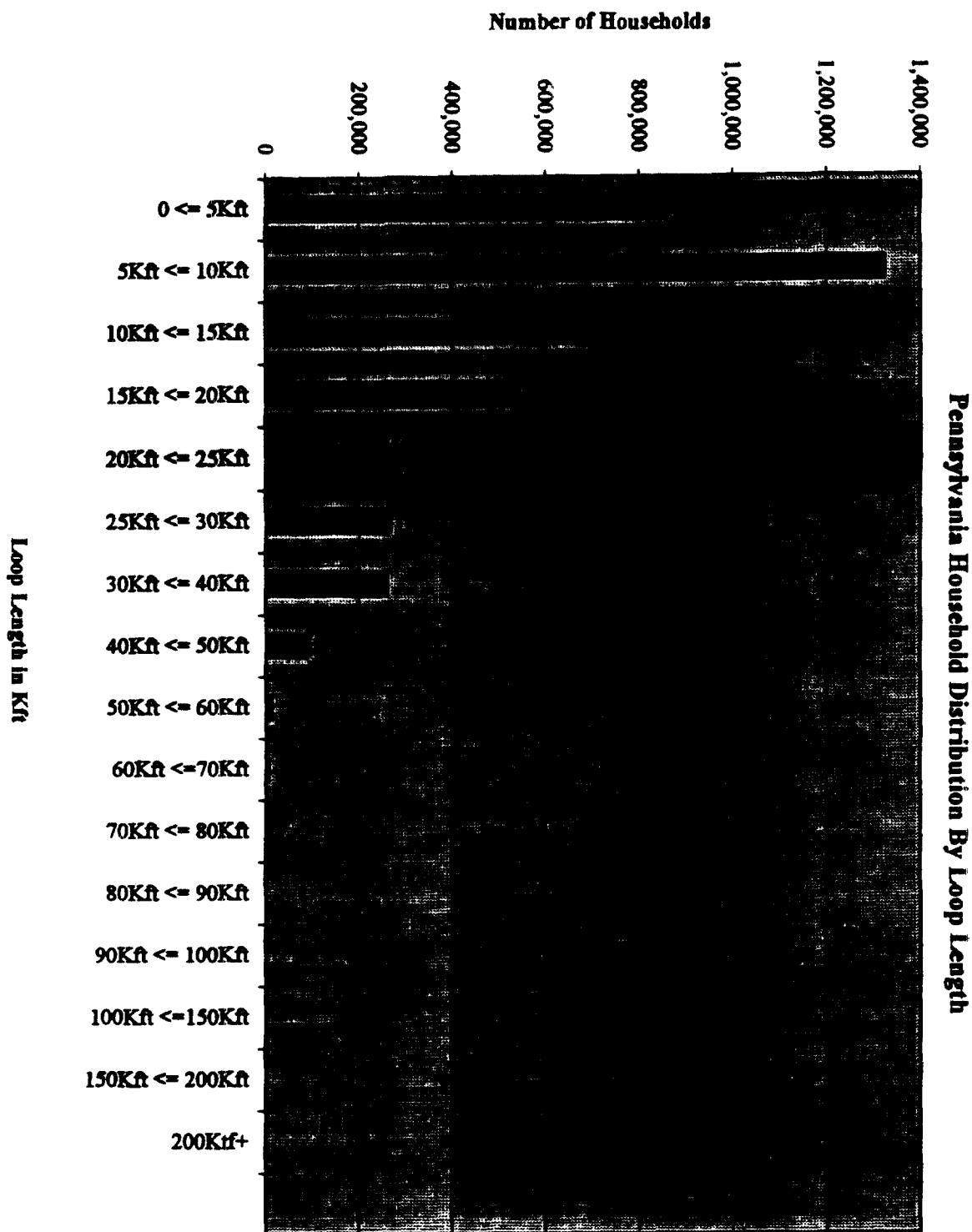
Date: 7/1/96

Time: 2:29:53 PM

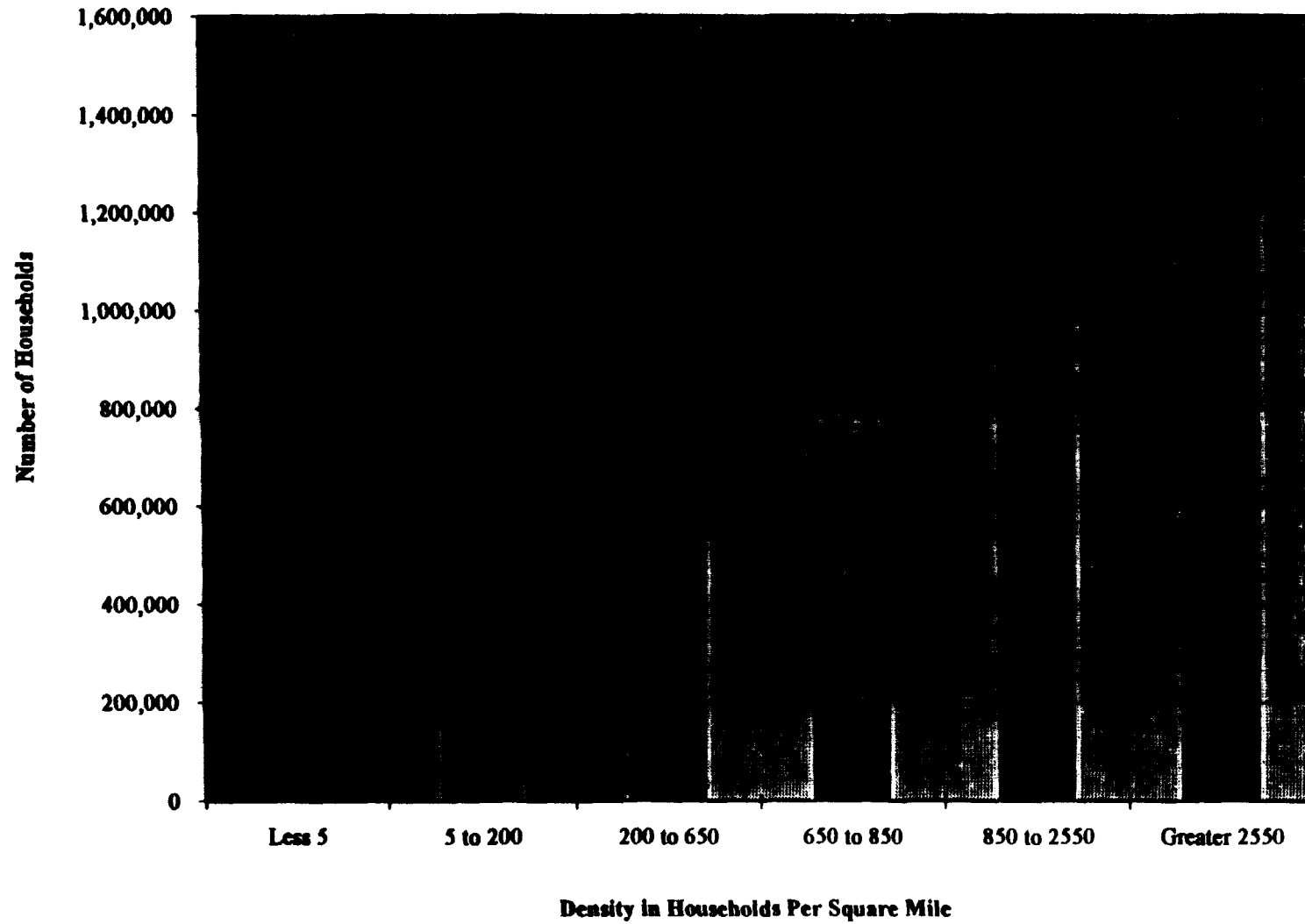
Density	Summary Results	Weighted
Less 5	Sum of # Households	1,093
	Sum of # Lines	1,594
	Average of Loop Length	54,460
	Average of Loop \$ per Line	\$5,743
	Average of Total Invstmnt \$/Ln	\$5,969
	Average of Monthly Costl	\$125.21
5 to 200	Sum of # Households	1,194,484
	Sum of # Lines	1,841,092
	Average of Loop Length	25,608
	Average of Loop \$ per Line	\$1,794
	Average of Total Invstmnt \$/Ln	\$1,944
	Average of Monthly Costl	\$46.72
200 to 650	Sum of # Households	546,831
	Sum of # Lines	1,048,657
	Average of Loop Length	14,623
	Average of Loop \$ per Line	\$790
	Average of Total Invstmnt \$/Ln	\$910
	Average of Monthly Costl	\$26.44
650 to 850	Sum of # Households	200,615
	Sum of # Lines	397,047
	Average of Loop Length	12,199
	Average of Loop \$ per Line	\$761
	Average of Total Invstmnt \$/Ln	\$877
	Average of Monthly Costl	\$25.77
850 to 2550	Sum of # Households	1,081,716
	Sum of # Lines	2,036,221
	Average of Loop Length	9,094
	Average of Loop \$ per Line	\$639
	Average of Total Invstmnt \$/Ln	\$753
	Average of Monthly Costl	\$23.28
Greater 2550	Sum of # Households	1,468,219
	Sum of # Lines	2,714,069
	Average of Loop Length	6,088
	Average of Loop \$ per Line	\$528
	Average of Total Invstmnt \$/Ln	\$634
	Average of Monthly Costl	\$20.89

**Pennsylvania Household Distribution By Residential Service Monthly Cost**

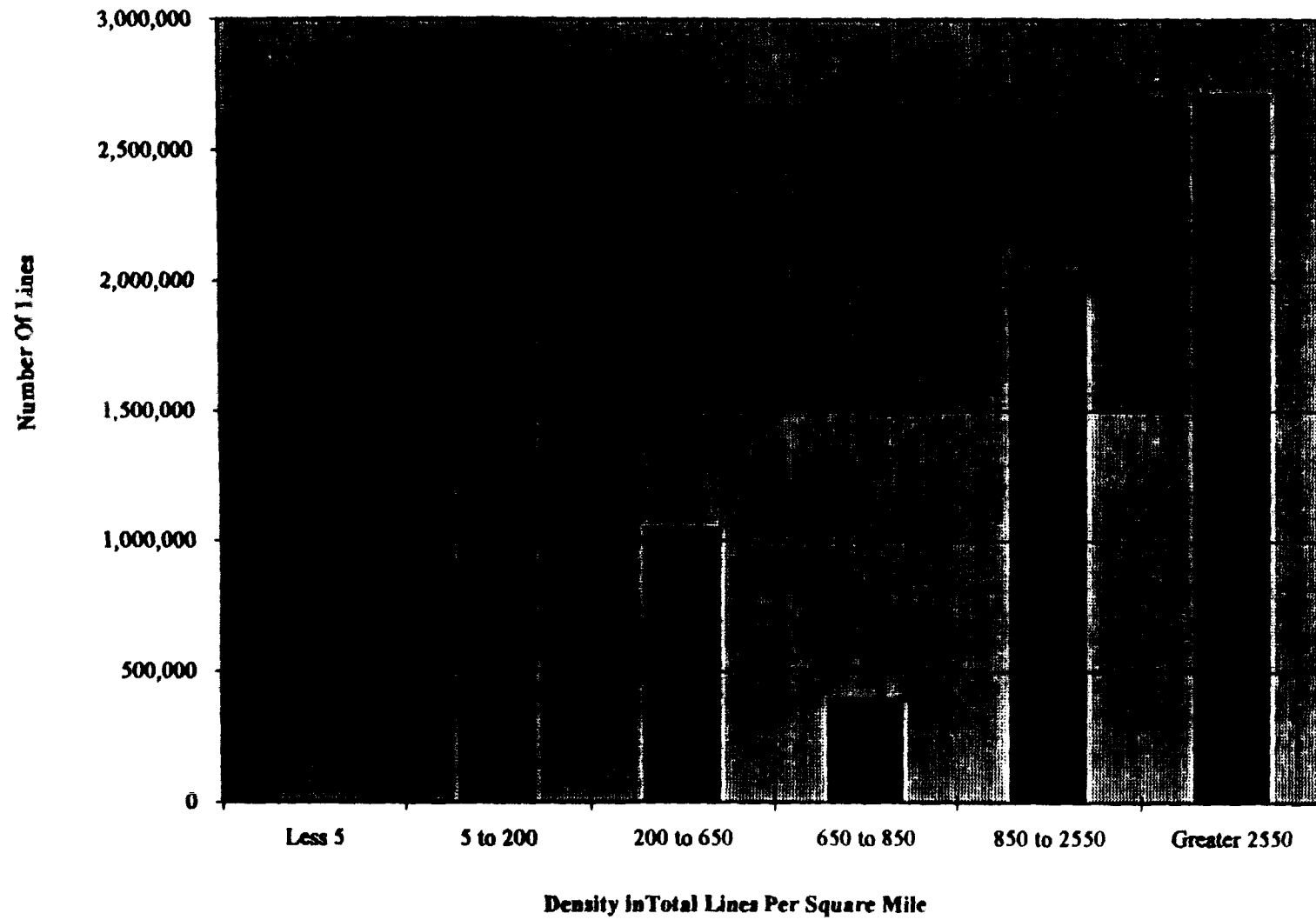




# Pennsylvania Household Distribution By Density Group



# Pennsylvania Total Lines Distribution By Density Group





# Benchmark Cost Model 2 Results

State: Rhode Island

Date: 7/1/96

Time: 2:29:56 PM

Aggregate Support	ARMIS
At \$20 = \$	43,928,433
At \$30 = \$	15,697,777
At \$40 = \$	6,773,313
At \$50 = \$	3,363,044
At \$60 = \$	1,645,093
At \$70 = \$	580,452
At \$80 = \$	135,694
Annual Benchmark Cost = \$	216,174,286
State Average Monthly Cost= \$	27.89

Density	Households	Lines
Less 5	-	3
5 to 200	48,387	77,744
200 to 650	49,883	91,272
650 to 850	17,601	31,251
850 to 2550	115,519	195,901
Greater 2550	145,690	249,665
Total	377,080	645,837

Cost Category	ARMIS Households
\$0<=\$ 5	-
\$5<=\$10	-
\$10<=\$15	1,682
\$15<=\$20	38,672
\$20<=\$25	103,296
\$25<=\$30	97,841
\$30<=\$35	68,147
\$35<=\$40	25,747
\$40<=\$45	12,497
\$45<=\$50	10,405
\$50<=\$55	5,520
\$55<=\$60	2,278
\$60<=\$65	1,659
\$65<=\$70	2,846
\$70<=\$75	2,840
\$75<=\$100	3,597
\$100<=\$150	49
\$150<=\$200	-
\$200<=\$250	4
\$250<=\$300	-
\$300<=\$500	-
\$500<=\$1000	-
\$1000+	-
Total Households	377,080

Loop Category	Households
0 <= 5Kft	44,218
5Kft <= 10Kft	110,272
10Kft <= 15Kft	100,734
15Kft <= 20Kft	59,934
20Kft <= 25Kft	30,565
25Kft <= 30Kft	14,755
30Kft <= 40Kft	10,504
40Kft <= 50Kft	4,897
50Kft <= 60Kft	851
60Kft <= 70Kft	350
70Kft <= 80Kft	-
80Kft <= 90Kft	-
90Kft <= 100Kft	-
100Kft <= 150Kft	-
150Kft <= 200Kft	-
200Kft+	-

Loop Information	Length
Minimum Loop Length	1,436
Maximum Loop Length	67,910
Average Loop Length	12,844

Maximum Monthly Cost	\$206.56
Average Monthly Cost	\$27.89
Lines Above \$10K Loop Inv	5